d 111 bib hitstr

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L11 ANSWER 1 OF 34 CAPLUS COPYRIGHT 2002 ACS
AN
    2002:595097 CAPLUS
DN
    137:141802
ΤI
    Lightweight fire-resistant silicone-coated cloth and airbags
    Ishii, Hideaki; Nagaoka, Toshirou
ΙN
PA
    Asahi Kasei Kabushiki Kaisha, Japan
SO
    PCT Int. Appl., 55 pp.
    CODEN: PIXXD2
DT
    Patent
    Japanese
LΑ
FAN.CNT 1
                                      APPLICATION NO. DATE
                   KIND DATE
    PATENT NO.
                                        -----
                         _____
    ----- ----
                          20020808
                                       WO 2001-JP8834
                                                        20011005
PΙ
    WO 2002061200
                     A1
        RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
            UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRAI JP 2001-26103
                          20010201
                    Α
    JP 2001-134396
                     Α
                          20010501
IT
    210993-79-6, HF 86
    RL: TEM (Technical or engineered material use); USES (Uses)
        (adhesion promotor; lightwt. fire-resistant silicone-coated cloth for
       airbags)
    210993-79-6 CAPLUS
RN
    Silanetriol, ethenyl-, triacetate, mixt. with trimethoxy[3-
CN
     (oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)
    CM
    CRN
        4130-08-9
    CMF
        C8 H12 O6 Si
     OAc
AcO-Si-CH-CH2
    OAc
    CM
         2
    CRN
         2530-83-8
    CMF C9 H20 O5 Si
     CH_2 - O - (CH_2)_3 - Si - OMe
```

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 111 1-34 bib hitstr L11 ANSWER 1 OF 34 CAPLUS COPYRIGHT 2002 ACS AN 2002:595097 CAPLUS 137:141802 DN Lightweight fire-resistant silicone-coated cloth and airbags ΤI Ishii, Hideaki; Nagaoka, Toshirou IN Asahi Kasei Kabushiki Kaisha, Japan PA SO PCT Int. Appl., 55 pp. CODEN: PIXXD2 Patent DT LΑ Japanese FAN.CNT 1 APPLICATION NO. DATE KIND DATE PATENT NO. _____ _____ ____ _____ WO 2001-JP8834 20011005 20020808 PΙ WO 2002061200 A1 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG PRAI JP 2001-26103 Α 20010201 JP 2001-134396 Α 20010501 TT 210993-79-6, HF 86 RL: TEM (Technical or engineered material use); USES (Uses) (adhesion promotor; lightwt. fire-resistant silicone-coated cloth for airbags) 210993-79-6 CAPLUS RN Silanetriol, ethenyl-, triacetate, mixt. with trimethoxy[3-CN(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME) CM 1 CRN 4130-08-9 CMF C8 H12 O6 Si OAc. Aco-Si-CH-CH2 OAc 2 CM CRN 2530-83-8 CMF C9 H20 O5 Si

 $CH_2 - O - (CH_2)_3 - Si - OMe$

OMe

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 2002:591741 CAPLUS

DN 137:126563

TI Acrylic polysiloxane coating composition, cured product, laminate and method for producing the cured product

IN Shimada, Mibuko; Yoshimura, Nakaatsu; Hashiguchi, Yuichi

PA JSR Corporation, Japan

SO Eur. Pat. Appl., 27 pp. CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE

EP 1229092 A2 20020807 EP 2002-2262 20020130

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRAI JP 2001-24780 A 20010131

IT 307530-50-3P, Ethyl vinyl ether-Methyltrimethoxysilane-3-Glycidoxypropyltrimethoxysilane-Hexafluoropropylene-Vinyltrimethoxysilane copolymer

RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(manuf. of acrylic polysiloxane coating compn. for plastic films)

RN 307530-50-3 CAPLUS

CN Silane, ethenyltrimethoxy-, polymer with ethoxyethene, 1,1,2,3,3,3-hexafluoro-1-propene, trimethoxymethylsilane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 2

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CRN 1185-55-3 CMF C4 H12 O3 Si

CM 4

CRN 116-15-4 CMF C3 F6

CM 5

CRN 109-92-2 CMF C4 H8 O

 $H_3C-CH_2-C-CH=CH_2$

L11 ANSWER 3 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 2001:830751 CAPLUS

DN 135:359189

TI Functionalized copolymers for use in coatings

IN Stark, Kurt; Tschirner, Peter; Ball, Peter; Bueppelmann, Klaus; Kotschi,
Udo

PA Wacker Polymer Systems G.m.b.H. & Co. K.-G., Germany

SO Eur. Pat. Appl., 15 pp. CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND DATE | APPLICATION NO. | DATE |
|----|-------------|---------------------|--------------------|-------------------|
| | | | | |
| ΡI | EP 1153979 | A2 20011114 | EP 2001-109326 | 20010412 |
| | EP 1153979 | A3 20020123 | | |
| | R: AT, BE, | CH, DE, DK, ES, FR, | GB, GR, IT, LI, LU | , NL, SE, MC, PT, |
| | | LT, LV, FI, RO | | |
| | DE 10022992 | A1 20011206 | DE 2000-10022992 | 20000511 |

PRAI DE 2000-10022992 A 20000511

IT 372194-93-9P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(functionalized copolymers for use in coatings)

RN 372194-93-9 CAPLUS

CN Butanoic acid, 3-oxo-, 2-propenyl ester, polymer with ethene, ethenyl acetate, ethenyltrimethoxysilane, oxiranylmethyl 2-methyl-2-propenoate, sodium ethenesulfonate and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 3039-83-6 CMF C2 H4 O3 S . Na

 $H_2C = CH - SO_3H$

Na

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 4

CRN 1118-84-9 CMF C7 H10 O3

CRN 108-05-4 CMF C4 H6 O2

 $AcO-CH-CH_2$

CM 6

CRN 106-91-2 CMF C7 H10 O3

CM 7

CRN 74-85-1 CMF C2 H4

 $H_2C \longrightarrow CH_2$

L11 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 2000:822734 CAPLUS

DN 133:363798

TI A coating composition, and a coated film and glass each having a coating layer comprised thereof

IN Shimada, Mibuko; Sakagami, Toshinori; Shiho, Hiroshi; Hashiquchi, Yuichi

PA JSR Corporation, Japan

SO Eur. Pat. Appl., 37 pp. CODEN: EPXXDW

DT Patent

LA English

באאז לאותי 1

| FAN. | CNT 1 | | | | |
|------|-----------|---------|--------|----------|--|
| | PATENT NO | Ο. | KIND | DATE | APPLICATION NO. DATE |
| | | | | | |
| ΡI | EP 105404 | 47 | A2 | 20001122 | EP 2000-110630 20000518 |
| | EP 10540 | 47 | A3 | 20011010 | |
| | R: 1 | AT, BE, | CH, DE | DK, ES, | FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, |
| | • | IE, SI, | LT, LV | FI, RO | |
| | JP 200032 | 28001 | A2 | 20001128 | JP 1999-142428 19990521 |
| | JP 200104 | | | 20010220 | JP 1999-225915 19990810 |
| PRAI | JP 1999- | 142428 | | 19990521 | |
| | JP 1999-2 | 225915 | Α | 19990810 | |
| TOP | 207520 54 | | . 1 | | h assa £1assassassassassassassassassassassassa |

IT 307530-50-3P, Ethyl vinyl ether-hexafluoropropyleneglycidoxypropyltrimethoxysilane-methyltrimethoxysilanevinyltrimethoxysilane copolymer RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation) (coating compn. contg. polysiloxanes and vinyl polymers having good soilproofing and abrasion resistance)

RN 307530-50-3 CAPLUS

Silane, ethenyltrimethoxy-, polymer with ethoxyethene, 1,1,2,3,3,3-hexafluoro-1-propene, trimethoxymethylsilane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CN

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 2

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2) \text{ }_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

CM 3

CRN 1185-55-3 CMF C4 H12 O3 Si

CM 4

CRN 116-15-4 CMF C3 F6

$H_3C-CH_2-O-CH=-CH_2$

L11 ANSWER 5 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 2000:562683 CAPLUS

DN 133:152092

TI Metallic finishing for forming glossy, weather-resistant coatings with high adhesion

IN Iida, Akito; Inukai, Hiroshi

PA Toa Gosei Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

IT 287475-38-1P

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(base coat; metallic finishing using silane-crosslinkable fluoropolymer topcoats for glossy, weather-resistant coatings with high adhesion)

RN 287475-38-1 CAPLUS

CN 2-Propenoic acid, cyclohexyl ester, polymer with chlorotrifluoroethene, ethenyltrimethoxysilane, ethyl 2-propenoate and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 3066-71-5 CMF C9 H14 O2

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 4

CRN 140-88-5 CMF C5 H8 O2

CM 5

CRN 79-38-9 CMF C2 C1 F3

IT 287475-39-2P

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(topcoat; metallic finishing using silane-crosslinkable fluoropolymer topcoats for glossy, weather-resistant coatings with high adhesion)

RN 287475-39-2 CAPLUS

CN 2-Propenoic acid, cyclohexyl ester, polymer with chlorotrifluoroethene, 1,1-dimethylethyl 2-propenoate, ethenyltrimethoxysilane, silicic acid (H4SiO4) tetraethyl ester, triethoxy(3-isocyanatopropyl)silane, trimethoxy[3-(oxiranylmethoxy)propyl]silane and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 24801-88-5 CMF C10 H21 N O4 Si

Relative stereochemistry.

CM 3

CRN 3066-71-5 CMF C9 H14 O2

$$\bigcirc 0 \\ 0 \\ -C \\ -CH \\ = CH_2$$

CM 4

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ | \\ \text{MeO-Si-CH----} \text{CH}_2 \\ | \\ \text{OMe} \end{array}$$

CM 5

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

CM 6

CRN 1663-39-4

CRN 79-38-9 CMF C2 C1 F3

CM 8

CRN 78-10-4 CMF C8 H20 O4 Si

L11 ANSWER 6 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 2000:396569 CAPLUS

DN 133:31764

TI Aqueous emulsions for manufacture of silicone rubber coatings on textile airbags

IN Mueller, Johann; Stoemmer, Martin

PA Wacker-Chemie G.m.b.H., Germany

SO Ger. Offen., 6 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN CNT 1

| PAN.CNI I | | | | | | | |
|-----------|------------------|--------|----------|--------------------|-------------------|--|--|
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | | |
| | | | | | | | |
| PΙ | DE 19857307 | A1 | 20000615 | DE 1998-19857307 | 19981211 | | |
| | EP 1010721 | A1 | 20000621 | EP 1999-120901 | | | |
| | | | | GB, GR, IT, LI, LU | , NL, SE, MC, PT, | | |
| | IE, SI, | LT, LV | , FI, RO | | | | |
| | KR 2000047960 | Α | 20000725 | KR 1999-55429 | 19991207 | | |
| | JP 2000169590 | A2 | 20000620 | JP 1999-350422 | 19991209 | | |
| PRAI | DE 1998-19857307 | 7 A | 19981211 | | | | |
| TT | C0000 10 4 | | | | | | |

IT 69882-18-4

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(adhesion improver; aq. emulsions for manuf. of silicone rubber coatings on textile airbags)

RN 69882-18-4 CAPLUS

CN Silanetriol, ethenyl-, triacetate, polymer with trimethoxy[3-

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(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)
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CRN 4130-08-9 CMF C8 H12 O6 Si

CM 2

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2$$
 O- $(CH_2)_3$ - Si - OMe OMe OMe

L11 ANSWER 7 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 2000:356388 CAPLUS

DN 132:349083

TI Anticorrosive and soiling- and weather-resistant coatings for metal surface

IN Iida, Akito; Inukai, Hiroshi

PA Toa Gosei Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2000144036 A2 20000526 JP 1998-323775 19981113

PI JP 2000144036 A2 200 IT **269081-02-9P 269081-03-0P**

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (topcoat layer; anticorrosive and soiling- and weather-resistant coatings for metal surface)

RN 269081-02-9 CAPLUS

CN Silane, ethenyltrimethoxy-, polymer with chlorotrifluoroethene, ethoxyethene and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ | \\ \text{MeO-Si-CH----} \text{CH}_2 \\ | \\ \text{OMe} \end{array}$$

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 3

CRN 109-92-2 CMF C4 H8 O

$$_{\rm H_3C^-CH_2^-O^-CH^{==}CH_2}$$

CM 4

CRN 79-38-9 CMF C2 C1 F3

RN 269081-03-0 CAPLUS

CN Silicic acid (H4SiO4), tetraethyl ester, polymer with chlorotrifluoroethene, ethenyltrimethoxysilane, ethoxyethene and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2768-02-7 CMF C5 H12 O3 Si

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

CM 3

CRN 109-92-2 CMF C4 H8 O

$$H_3C-CH_2-O-CH=-CH_2$$

CM 4

CRN 79-38-9 CMF C2 C1 F3

CM 5

CRN 78-10-4 CMF C8 H20 O4 Si

L11 ANSWER 8 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 2000:294151 CAPLUS

DN 133:74707

TI Phase structure and thermal and mechanical properties of epoxy/silica hybrids

AU Takahashi, Ryuji; Wakita, Manami; Ochi, Mitsukazu

CS Faculty of Engineering, Kansai University, Suita-shi, Osaka, 564-8680, Japan

SO Kobunshi Ronbunshu (2000), 57(4), 220-227 CODEN: KBRBA3; ISSN: 0386-2186

PB Kobunshi Gakkai

DT Journal LA Japanese

IT 279679-14-0

RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PROC (Process); USES (Uses) (prepn., phase structure, and thermal and mech. properties of epoxy/silica hybrids)

RN 279679-14-0 CAPLUS

CN 1,2-Ethanediamine, N-(2-aminoethyl)-N'-[2-[(2-aminoethyl)amino]ethyl]-, polymer with ethenyltrimethoxysilane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ | \\ \text{MeO-Si-CH----} \text{CH}_2 \\ | \\ \text{OMe} \end{array}$$

CM 2

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c|c} \text{OMe} & \text{OMe} \\ \text{CH}_2\text{--O--} \text{(CH}_2)_3\text{--Si--OMe} \\ \text{OMe} \end{array}$$

CM 3

CRN 1675-54-3 CMF C21 H24 O4

CM 4

CRN 112-57-2 CMF C8 H23 N5

 ${\rm H_2N-CH_2-CH_2-NH-CH_2-CH_2-NH-CH_2-CH_2-NH-CH_2-CH_2-NH_2-CH_2-NH-CH_2-CH_2-NH-CH_2-CH_2-NH-CH_2$

```
L11 ANSWER 9 OF 34 CAPLUS COPYRIGHT 2002 ACS
    2000:266929 CAPLUS
AN
    132:295218
DN
    Repairing process for coating films
ΤI
    Iida, Akito; Inukai, Hiroshi
IN
    Toa Gosei Chemical Industry Co., Ltd., Japan
PΑ
    Jpn. Kokai Tokkyo Koho, 7 pp.
SO
    CODEN: JKXXAF
    Patent
DT
    Japanese
LΑ
FAN.CNT 1
                                       APPLICATION NO. DATE
    PATENT NO. KIND DATE
                                        -----
     _____
                                        JP 1998-301652 19981008
    JP 2000117190 A2 20000425
PΙ
    264199-37-3P, Chlorotrifluoroethylene-cyclohexyl
IT
     acrylate-.gamma.-glycidoxypropyltrimethoxysilane-vinyltrimethoxysilane
     copolymer 264199-38-4P, Chlorotrifluoroethylene-cyclohexyl
     acrylate-.gamma.-glycidoxypropyltrimethoxysilane-.gamma.-
     isocyanatopropyltriethoxysilane-vinyltrimethoxysilane copolymer
     RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM
     (Technical or engineered material use); PREP (Preparation); USES (Uses)
        (repairing coating films with acrylic fluoro polysiloxane compns. for
        good adhesion)
     264199-37-3 CAPLUS
RN
     2-Propenoic acid, cyclohexyl ester, polymer with chlorotrifluoroethene,
CN
     ethenyltrimethoxysilane and trimethoxy[3-(oxiranylmethoxy)propyl]silane
     (9CI) (CA INDEX NAME)
     CM
          1
     CRN 3066-71-5
```

CMF C9 H14 O2

2 CM

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ | \\ \text{MeO-Si-CH---} \\ | \\ \text{OMe} \end{array}$$

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CRN 79-38-9 CMF C2 C1 F3

RN 264199-38-4 CAPLUS

CN 2-Propenoic acid, cyclohexyl ester, polymer with chlorotrifluoroethene, ethenyltrimethoxysilane, triethoxy(3-isocyanatopropyl)silane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 24801-88-5 CMF C10 H21 N O4 Si

CM 2

CRN 3066-71-5 CMF C9 H14 O2

CM 3

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ \mid \\ \text{MeO-Si-CH-----} \text{CH}_2 \\ \mid \\ \text{OMe} \end{array}$$

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

5 CM

CRN 79-38-9 CMF C2 C1 F3

```
L11 ANSWER 10 OF 34 CAPLUS COPYRIGHT 2002 ACS
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1999:716211 CAPLUS AN

131:323948 DN

Titania-containing organic silicon polymer compositions for hard coatings TI on plastic lenses and their laminates with antireflection films

Miyashita, Kazunori; Takeshita, Katsuyoshi IN

PA Seiko Epson Corp., Japan

Jpn. Kokai Tokkyo Koho, 10 pp. SO CODEN: JKXXAF

DT Patent

Japanese LΑ

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE _____ ---**-**-----19991109 19980427 JP 11310755 A2 JP 1998-117318

164065-58-1P, (.gamma.-Glycidoxypropyl)trimethoxysilane-IT

vinyltrimethoxysilane copolymer 249505-84-8P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP

(Preparation); USES (Uses)

(titania-contg. organopolysiloxane compns. for hard coatings on plastic lenses and their laminates with antireflection films)

164065-58-1 CAPLUS RN

Silane, ethenyltrimethoxy-, polymer with trimethoxy[3-CN(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2768-02-7

CMF C5 H12 O3 Si

CM 2

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

RN 249505-84-8 CAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with bis[3 (diethoxyethylsilyl)propyl] carbonate, 2-(dimethylamino)ethyl
 2-methyl-2-propenoate, ethenyltrimethoxysilane, 2,2'-[1,6 hexanediylbis(oxymethylene)]bis[oxirane] and trimethoxy[3 (oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 225663-58-1 CMF C19 H42 O7 Si2

$$\begin{array}{c|c} \text{OEt} & \text{O} & \text{OEt} \\ \mid & \mid & \mid \\ \text{Et-Si-} (\text{CH}_2)_3 - \text{O-C-O-} (\text{CH}_2)_3 - \text{Si-Et} \\ \mid & \mid \\ \text{OEt} & \text{OEt} \end{array}$$

CM 2

CRN 16096-31-4 CMF C12 H22 O4

CM 3

CRN 2867-47-2 CMF C8 H15 N O2

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 5

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 6

CRN 79-41-4 CMF C4 H6 O2

L11 ANSWER 11 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1999:715101 CAPLUS

DN 131:338384

TI Moisture-curable compositions for fluoropolymer coatings with good adhesion strength

IN Iida, Akito; Inukai, Hiroshi

PA Toa Gosei Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 11310747 A2 19991109 JP 1998-136023 19980430

IT 249619-64-5P, Chlorotrifluoroethylene-ethyl vinyl

ether-(3-glycidoxypropyl)trimethoxysilane-(3-isocyanatopropyl)trimethoxysi

lane-vinyltrimethoxysilane copolymer

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(moisture-curable hydrolyzable silyl-contg. fluoropolymer compns. for coatings with good adhesion strength)

RN 249619-64-5 CAPLUS

Silane, ethenyltrimethoxy-, polymer with chlorotrifluoroethene, ethoxyethene, (3-isocyanatopropyl)trimethoxysilane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CN

CRN 15396-00-6 CMF C7 H15 N O4 Si

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 4

CRN 109-92-2 CMF C4 H8 O

CRN 79-38-9 CMF C2 C1 F3

L11 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1999:481606 CAPLUS

DN 131:131341

TI Coating films with high durability and bright color

IN Kudo, Shinichi; Kinoshita, Koji; Ooka, Masataka

PA Dainippon Ink and Chemicals, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 51 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΤ

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 11209693 A2 19990803 JP 1998-11262 19980123

IT 234080-03-6P, Monobutyl maleate-vinyl acetate-ethyl vinyl ether-vinyltris(.beta.-methoxyethoxy)silane-chlorotrifluoroethylene-phenyltrimethoxysilane-methyltrimethoxysilane-3-glycidoxypropyltrimethoxysilane copolymer triethylamine salt

234080-13-8P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(coating films with high durability and bright color)

RN 234080-03-6 CAPLUS

CN 2-Butenedioic acid (2Z)-, monobutyl ester, polymer with chlorotrifluoroethene, ethenyl acetate, 6-ethenyl-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane, ethoxyethene, trimethoxymethylsilane, trimethoxy[3-(oxiranylmethoxy)propyl]silane and trimethoxyphenylsilane, compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8 CMF C6 H15 N

Et | | Et-N-Et

CM 2

CRN 234080-02-5

CMF (C11 H24 O6 Si . C9 H20 O5 Si . C9 H14 O3 Si . C8 H12 O4 . C4 H12 O3 Si . C4 H8 O . C4 H6 O2 . C2 Cl F3) \times

CCI PMS

CM 3

CRN 2996-92-1 CMF C9 H14 O3 Si

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{--O--} \text{(CH}_2\text{)}_3\text{--}\text{Si--OMe} \\ \text{OMe} \end{array}$$

CM 5

CRN 1185-55-3 CMF C4 H12 O3 Si

CM 6

CRN 1067-53-4 CMF C11 H24 O6 Si

$$\begin{array}{c} \text{O-CH}_2\text{-CH}_2\text{-OMe} \\ | \\ \text{MeO-CH}_2\text{-CH}_2\text{-O-Si-CH} \\ | \\ \text{O-CH}_2\text{-CH}_2\text{-OMe} \end{array}$$

CM '

CRN 925-21-3 CMF C8 H12 O4

Double bond geometry as shown.

CRN 109-92-2 CMF C4 H8 O

 $H_3C-CH_2-O-CH=-CH_2$

CM 9

CRN 108-05-4 CMF C4 H6 O2

 $AcO-CH=CH_2$

CM 10

CRN 79-38-9 CMF C2 C1 F3

RN 234080-13-8 CAPLUS

CN 2-Butenedioic acid (2Z)-, monobutyl ester, polymer with chlorotrifluoroethene, ethenyl acetate, 6-ethenyl-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane, ethoxyethene, trimethoxy[3-(oxiranylmethoxy)propyl]silane and trimethoxyphenylsilane, compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8 CMF C6 H15 N

Et | Et-N-Et

CM 2

CRN 234080-12-7 CMF (C11 H24 O6 Si . C9 H20 O5 Si . C9 H14 O3 Si . C8 H12 O4 . C4 H8 O . C4 H6 O2 . C2 C1 F3)x

CCI PMS

CRN 2996-92-1 CMF C9 H14 O3 Si

CM 4

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

CM 5

CRN 1067-53-4 CMF C11 H24 O6 Si

$$\begin{array}{c} \text{O-CH}_2\text{-CH}_2\text{-OMe} \\ | \\ \text{MeO-CH}_2\text{-CH}_2\text{-O-Si-CH} \\ | \\ \text{O-CH}_2\text{-CH}_2\text{-OMe} \end{array}$$

CM 6

CRN 925-21-3 CMF C8 H12 O4

Double bond geometry as shown.

CM 7

CRN 109-92-2 CMF C4 H8 O

CRN 108-05-4 CMF C4 H6 O2

 $AcO-CH=CH_2$

CM 9

CRN 79-38-9 CMF C2 C1 F3

CF₂ || Cl-C-F

L11 ANSWER 13 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1999:481605 CAPLUS

DN 131:131340

TI Coating films with high gloss retention and pollution resistance

IN Kudou, Shinichi; Kinoshita, Koji; Ohoka, Masataka

PA Dainippon Ink and Chemicals, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 58 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

CN

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|-----------------|----------|
| | | | | |
| JP 11209692 | A2 | 19990803 | JP 1998-11151 | 19980123 |

IT 234080-03-6P, Monobutyl maleate-vinyl acetate-ethyl vinyl
 ether-vinyltris(.beta.-methoxyethoxy)silane-chlorotrifluoroethylene phenyltrimethoxysilane-methyltrimethoxysilane-3 glycidoxypropyltrimethoxysilane copolymer triethylamine salt
 234080-13-8P, Monobutyl maleate-vinyl acetate-ethyl vinyl
 ether-vinyltris(.beta.-methoxyethoxy)silane-chlorotrifluoroethylene phenyltrimethoxysilane-(3-glycidoxypropyl)trimethoxysilane copolymer
 triethylamine salt

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(coating films with high gloss retention and pollution resistance)

RN 234080-03-6 CAPLUS

2-Butenedioic acid (2Z)-, monobutyl ester, polymer with chlorotrifluoroethene, ethenyl acetate, 6-ethenyl-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane, ethoxyethene, trimethoxymethylsilane, trimethoxy[3-(oxiranylmethoxy)propyl]silane and trimethoxyphenylsilane, compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8 CMF C6 H15 N

CRN 234080-02-5

CMF (C11 H24 O6 Si . C9 H20 O5 Si . C9 H14 O3 Si . C8 H12 O4 . C4 H12 O3 Si . C4 H8 O . C4 H6 O2 . C2 Cl F3)x

S1 . C4 H8 O . C4 H6 O2 . C2 C1 F3)> CCI PMS

....

CM 3

CRN 2996-92-1 CMF C9 H14 O3 Si

Ph | MeO-Si-OMe | OMe

CM 4

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 5

CRN 1185-55-3 CMF C4 H12 O3 Si

CM 6

CRN 1067-53-4 CMF C11 H24 O6 Si

$$\begin{array}{c} \text{O-CH}_2\text{-CH}_2\text{-OMe} \\ | \\ \text{MeO-CH}_2\text{-CH}_2\text{-O-Si-CH---} \text{CH}_2 \\ | \\ \text{O-CH}_2\text{-CH}_2\text{-OMe} \end{array}$$

CRN 925-21-3 CMF C8 H12 O4

Double bond geometry as shown.

CM 8

CRN 109-92-2 CMF C4 H8 O

$$_{\rm H_3C-CH_2-O-CH=CH_2}$$

CM 9

CRN 108-05-4 CMF C4 H6 O2

$$AcO-CH-CH_2$$

CM 10

CRN 79-38-9 CMF C2 C1 F3

RN 234080-13-8 CAPLUS

CN 2-Butenedioic acid (2Z)-, monobutyl ester, polymer with chlorotrifluoroethene, ethenyl acetate, 6-ethenyl-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane, ethoxyethene, trimethoxy[3-(oxiranylmethoxy)propyl]silane and trimethoxyphenylsilane, compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8

CRN 234080-12-7

CMF (C11 H24 O6 Si . C9 H20 O5 Si . C9 H14 O3 Si . C8 H12 O4 . C4 H8 O . C4 H6 O2 . C2 Cl F3)x

CCI PMS

CM 3

CRN 2996-92-1 CMF C9 H14 O3 Si

CM 4

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{--O-(CH}_2)_3\text{--Si--OMe} \\ \text{OMe} \end{array}$$

CM 5

CRN 1067-53-4 CMF C11 H24 O6 Si

$$\begin{array}{c} \text{O-CH}_2\text{-CH}_2\text{-OMe} \\ | \\ \text{MeO-CH}_2\text{-CH}_2\text{-O-Si-CH----} \text{CH}_2\\ | \\ \text{O-CH}_2\text{-CH}_2\text{-OMe} \end{array}$$

CM 6

CRN 925-21-3 CMF C8 H12 O4 Double bond geometry as shown.

7 CM

CRN 109-92-2 CMF C4 H8 O

 $H_3C-CH_2-O-CH=-CH_2$

CM

CRN 108-05-4 CMF C4 H6 O2

 $AcO-CH=CH_2$

CM9

79-38-9 CRN CMF C2 Cl F3

L11 ANSWER 14 OF 34 CAPLUS COPYRIGHT 2002 ACS

1999:481539 CAPLUS

DN 131:145843

Manufacture of room-temperature-curable organo polysiloxane compositions TI for sealants

Miyake, Masatoshi; Suzuki, Kazuyuki; Teshigahara, Mamoru; Kimura, Tsuneo IN

Shin-Etsu Chemical Industry Co., Ltd., Japan PΑ

Jpn. Kokai Tokkyo Koho, 8 pp. SO

CODEN: JKXXAF

DTPatent

Japanese LΑ

| FAN. | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------|------|----------|-----------------|----------|
| | | | | - | |
| ΡI | JP 11209621 | A2 | 19990803 | JP 1998-32145 | 19980129 |
| | US 6214930 | B1 | 20010410 | US 1999-237799 | 19990127 |
| | EP 933398 | A2 | 19990804 | EP 1999-300623 | 19990128 |
| | EP 933398 | A3 | 20001011 | | |
| | | | | | |

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

19980129 Α PRAI JP 1998-32145

IT 235764-03-1P, Dimethylsilanediol-.gamma.-

 $\verb|glycidoxypropy| trime tho xysilane-methyl silane triol-viny | trime tho xysilane copolymer$

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(rubber; room-temp.-curable silicone rubber compns. with good sagging prevention and discharge stability)

RN 235764-03-1 CAPLUS

Silanetriol, methyl-, polymer with dimethylsilanediol, ethenyltrimethoxysilane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CN

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ \mid \\ \text{MeO-Si-CH----} \text{CH}_2 \\ \mid \\ \text{OMe} \end{array}$$

CM 2

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe
OMe

CM 3

CRN 2445-53-6 CMF C H6 O3 Si

CM 4

CRN 1066-42-8 CMF C2 H8 O2 Si

```
Si-CH3
H<sub>3</sub>C
     OH
L11 ANSWER 15 OF 34 CAPLUS COPYRIGHT 2002 ACS
     1999:481405 CAPLUS
AN
     131:158326
DN
     Waterborne resins, their manufacture and waterborne curable compositions
TI
     containing them
     Kudo, Shinichi; Tomita, Hidetoshi; Kinoshita, Koji; Ooka, Masataka
ΙN
     Dainippon Ink and Chemicals, Inc., Japan
PA
     Jpn. Kokai Tokkyo Koho, 46 pp.
SO
     CODEN: JKXXAF
     Patent
DT
     Japanese
LА
FAN.CNT 1
                                          APPLICATION NO. DATE
                  KIND DATE
     PATENT NO.
                                           _____
     _____
                      _ _ _ _
                                                            19980126
                                          JP 1998-13075
     JP 11209473 A2
                            19990803
ΡI
     234110-94-2P, Chlorotrifluoroethylene-cyclohexyltrimethoxysilane-
IT
     ethyl vinyl ether-3-glycidoxypropyltrimethoxysilane-methyltrimethoxysilane-
     monobutyl maleate-vinyl acetate-vinyltris(2-methoxyethoxy)silane copolymer
     triethylamine salt
     RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP
      (Properties); TEM (Technical or engineered material use); PREP
      (Preparation); USES (Uses)
         (coatings; storage-stable waterborne siloxane compns. and use in
         coatings and sealants)
      234110-94-2 CAPLUS
 RN
     2-Butenedioic acid (2Z)-, monobutyl ester, polymer with
 CN
     chlorotrifluoroethene, cyclohexyltrimethoxysilane, ethenyl acetate,
      6-ethenyl-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane,
      ethoxyethene, trimethoxymethylsilane and trimethoxy[3-
      (oxiranylmethoxy)propyl]silane, compd. with N,N-diethylethanamine (9CI)
      (CA INDEX NAME)
           1
      CM
      CRN 121-44-8
      CMF C6 H15 N
```

Et | Et-N-Et

OH

CM 2

CRN 234110-93-1 CMF (C11 H24 O6 Si . C9 H20 O5 Si . C9 H20 O3 Si . C8 H12 O4 . C4 H12 O3 Si . C4 H8 O . C4 H6 O2 . C2 C1 F3)x CCI PMS

CM 3

CRN 17865-54-2 CMF C9 H20 O3 Si

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 5

CRN 1185-55-3 CMF C4 H12 O3 Si

CM 6

CRN 1067-53-4 CMF C11 H24 O6 Si

$$\begin{array}{c} \text{O-CH}_2\text{-CH}_2\text{-OMe} \\ | \\ \text{MeO-CH}_2\text{-CH}_2\text{-O-Si-CH} \\ | \\ \text{O-CH}_2\text{-CH}_2\text{-OMe} \end{array}$$

CM 7

CRN 925-21-3 CMF C8 H12 O4

Double bond geometry as shown.

CRN 109-92-2 CMF C4 H8 O

H3C-CH2-O-CH-CH2

CM 9

CRN 108-05-4 CMF C4 H6 O2

 $AcO-CH-CH_2$

CM 10

CRN 79-38-9 CMF C2 C1 F3

L11 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1999:409343 CAPLUS

DN 131:60158

TI Inorganic-organic composite aqueous coating compositions

IN Kito, Koichi; Saegusa, Kazumasa

PA Dainippon Toryo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 11172200 A2 19990629 JP 1997-342688 19971212

IT 227451-42-5P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (inorg.-org. composite aq. coating compns. contg. fluoropolymers and acrylic polymers having hydrolyzable silyl groups and alkoxysilane condensates)

RN 227451-42-5 CAPLUS

CN 10-Undecenoic acid, polymer with chlorotrifluoroethene, ethenyl butanoate, ethenyl 2,2-dimethylpropanoate, ethenyl neononanoate, ethenyltrimethoxysilane, trimethoxymethylsilane and trimethoxy[3-

(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 54423-67-5 CMF C11 H20 O2

CCI IDS

$$(\text{neo-C}_8\text{H}_{17}) - \text{C--O-CH} = \text{CH}_2$$

CM 2

CRN 3377-92-2 CMF C7 H12 O2

CM 3

CRN 2768-02-7

CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ \mid \\ \text{MeO-Si-CH---} \text{CH}_2 \\ \mid \\ \text{OMe} \end{array}$$

CM 4

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 5

CRN 1185-55-3 CMF C4 H12 O3 Si

CRN 123-20-6 CMF C6 H10 O2

CM 7

CRN 112-38-9 CMF C11 H20 O2

$$H_2C = CH - (CH_2)_8 - CO_2H$$

CM 8

CRN 79-38-9 CMF C2 C1 F3

L11 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1999:319021 CAPLUS

DN 131:6638

TI Aqueous compositions for crack-resistant hard coats for plastic lenses, their manufacture and laminates

IN Miyashita, Kazunori; Kinoshita, Atsushi

PA Seiko Epson Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 2

PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 11130982 A2 19990518 JP 1998-153421 19980602

PRAI JP 1997-236321 19970901

IT 225663-60-5P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (oxide (composite)-contg. polysiloxane coatings with crack resistance for plastic lenses)

RN 225663-60-5 CAPLUS

CN Propanol, 1,3(or 2,3)-bis(oxiranylmethoxy)-, polymer with bis[3-(diethoxyethylsilyl)propyl] carbonate, ethenyltrimethoxysilane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 225663-58-1 CMF C19 H42 O7 Si2

$$\begin{array}{c|c} \text{OEt} & \text{O} & \text{OEt} \\ \mid & \mid & \mid \\ \text{Et-Si-} (\text{CH}_2)_3 - \text{O-C-O-} (\text{CH}_2)_3 - \text{Si-Et} \\ \mid & \text{OEt} \end{array}$$

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ \mid \\ \text{MeO-Si-CH----} \text{CH}_2 \\ \mid \\ \text{OMe} \end{array}$$

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 4

CRN 27043-36-3 CMF C9 H16 O5 CCI IDS

CM 5

CRN 556-52-5 CMF C3 H6 O2

CRN 56-81-5 CMF C3 H8 O3

HO-CH2-CH-CH2-OH

L11 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1998:650462 CAPLUS

DN 129:303751

TI Compositions for fluoropolymer coatings

INIida, Akihito; Marumoto, Etsuzo; Maruyama, Yasuomi; Inukai, Hiroshi

PA Toa Gosei Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DTPatent

LΑ Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. --------------19970325

JP 10265731 A2 PΙ 19981006 JP 1997-88664

ΙT 214559-39-4P 214559-40-7P 214559-41-8P

214559-42-9P 214559-43-0P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(cured enamel film; fluoropolymers in aliph. hydrocarbon compns. for soil/solvent-resistant enamel coatings)

214559-39-4 CAPLUS RN

CN 2-Propenoic acid, cyclohexyl ester, polymer with chlorotrifluoroethene, ethenyltrimethoxysilane, silicic acid ethyl ester and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 3066-71-5 CMF C9 H14 O2

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

CRN 2530-83-8 CMF C9 H20 O5 Si

CM 4

CRN 79-38-9 CMF C2 C1 F3

CM 5

CRN 11099-06-2 CMF C2 H6 O . x Unspecified

CM 6

CRN 1343-98-2 CMF Unspecified CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 7

CRN 64-17-5 CMF C2 H6 O

 $_{\rm H_3C-CH_2-OH}$

RN 214559-40-7 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with chlorotrifluoroethene, cyclohexyl 2-propenoate, ethenyltrimethoxysilane, silicic acid ethyl ester and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 3066-71-5 CMF C9 H14 O2

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ | \\ \text{MeO-Si-CH----} \text{CH}_2 \\ | \\ \text{OMe} \end{array}$$

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

CM 4

CRN 141-32-2 CMF C7 H12 O2

$$\begin{array}{c} \begin{smallmatrix} \text{O} \\ \parallel \\ \text{n-BuO-C-CH-----} \end{smallmatrix} \text{CH}_2$$

CM 5

CRN 79-38-9 CMF C2 C1 F3

```
CM 6
```

CRN 11099-06-2

CMF C2 H6 O . x Unspecified

CM 7

CRN 1343-98-2

CMF Unspecified

CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 8

CRN 64-17-5

CMF C2 H6 O

$_{\mathrm{H_3C-CH_2-OH}}$

RN 214559-41-8 CAPLUS

CN 2-Propenoic acid, cyclohexyl ester, polymer with chlorotrifluoroethene, ethenyltrimethoxysilane, 2-methylpropyl 2-propenoate, silicic acid ethyl ester and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 3066-71-5 CMF C9 H14 O2

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe

CRN 106-63-8 C7 H12 O2 CMF

$$\overset{\text{O}}{\parallel}_{\text{i-BuO-C-CH----}}\text{CH}_{\text{2}}$$

5 CM

79-38-9 CRN C2 C1 F3 CMF

6 CM

11099-06-2 CRN

 ${\tt C2\ H6\ O}$. ${\tt x}$ Unspecified CMF

> CM7

1343-98-2 CRN Unspecified CMF MAN CCI

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM

64-17-5 CRN CMF C2 H6 O

 $_{\rm H_3C^-CH_2^-OH}$

214559-42-9 CAPLUS RN

2-Propenoic acid, butyl ester, polymer with chlorotrifluoroethene, CN cyclohexyl 2-propenoate, 1,1-dimethylethyl 2-propenoate, ethenyltrimethoxysilane, silicic acid ethyl ester and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1 CRN 3066-71-5 CMF C9 H14 O2

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-}\text{Si-OMe} \\ \text{OMe} \end{array}$$

CM 4

CRN 1663-39-4 CMF C7 H12 O2

CM :

CRN 141-32-2 CMF C7 H12 O2

```
CM
      6
```

CRN 79-38-9 CMF C2 C1 F3

CM 7

CRN 11099-06-2

CMF C2 H6 O . x Unspecified

CM 8

CRN 1343-98-2

CMF Unspecified

CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM9

CRN 64-17-5

CMF C2 H6 O

 $_{\rm H_3C^-CH_2^-OH}$

RN 214559-43-0 CAPLUS

Silicic acid, ethyl ester, polymer with chlorotrifluoroethene, CN 1-(ethenyloxy) butane, (ethenyloxy) cyclohexane, ethenyltrimethoxysilane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM1

CRN 2768-02-7

CMF C5 H12 O3 Si

CM2

CRN 2530-83-8

CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CRN 2182-55-0 CMF C8 H14 O

CM 4

CRN 111-34-2 CMF C6 H12 O

$$n-BuO-CH=CH_2$$

CM 5

CRN 79-38-9 CMF C2 C1 F3

CM 6

CRN 11099-06-2

CMF $\,$ C2 H6 O $\,$ x Unspecified

CM 7

CRN 1343-98-2 CMF Unspecified

CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 8

CRN 64-17-5 CMF C2 H6 O

 ${
m CH_2-O-(CH_2)_3-Si-OMe}$

OMe

```
ANSWER 19 OF 34 CAPLUS COPYRIGHT 2002 ACS
AN
    1998:509159 CAPLUS
DN
    129:168124
TI
    Laser-imageable recording material and printing plate produced therefrom
    for waterless offset printing
IN
    Grabley, Fritz-Feo; Gries, Willi-Kurt; Schlosser, Hans-Joachim
PA
    Agfa-Gevaert Naamloze Vennootschap, Belg.
SO
    PCT Int. Appl., 21 pp.
    CODEN: PIXXD2
DT
    Patent
LΑ
    English
FAN.CNT 1
    PATENT NO.
                   KIND DATE
                                        APPLICATION NO. DATE
    -----
                                        -----
                                                        _____
PΙ
    WO 9831550
                    A1
                          19980723
                                       WO 1998-EP146 19980108
        W: BR, JP, KR
        RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
    EP 952926
                   A1
                        19991103
                                   EP 1998-904059 19980108
    EP 952926
                    В1
                         20020123
        R: BE, DE, FR, GB, IT
    JP 2001508001 T2 20010619
                                        JP 1998-532304 19980108
PRAI EP 1997-200144
                     A 19970117
    WO 1998-EP146
                    W
                          19980108
IT
    210993-79-6, HF 86
    RL: DEV (Device component use); TEM (Technical or engineered material
    use); USES (Uses)
       (HF 86; laser recording materials for waterless offset printing plate
       prepn. contq.)
RN
    210993-79-6 CAPLUS
    Silanetriol, ethenyl-, triacetate, mixt. with trimethoxy[3-
CN
    (oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)
    CM
         1
    CRN 4130-08-9
    CMF C8 H12 O6 Si
    OAc
Aco-Si-CH-CH2
    OAc
    CM
    CRN 2530-83-8
    CMF C9 H20 O5 Si
```

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L11 ANSWER 20 OF 34 CAPLUS COPYRIGHT 2002 ACS
```

1998:358415 CAPLUS AN

DN 129:123113

ΤI Inorganic-organic proton conductors based on alkylsulfone functionalities and their patterning by photoinduced methods

AU Depre, Laurent; Kappel, Jurgen; Popall, Michael

CS Fraunhofer-Inst. Silicatforschung, Wurzburg, D-97082, Germany

SO Electrochimica Acta (1998), 43(10-11), 1301-1306 CODEN: ELCAAV; ISSN: 0013-4686

PB Elsevier Science Ltd.

DT Journal

LΑ English

IT210160-22-8P

RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses)

(prepn. of inorg.-org. proton conductors from trimethoxysilanes and tetraethoxysilane by sol-gel processing and their patterning by photoinduced methods)

RN 210160-22-8 CAPLUS

CN2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with silicic acid (H4SiO4) tetraethyl ester, trimethoxy[3-(oxiranylmethoxy)propyl]silane and 3-(trimethoxysilyl)-2-propene-1sulfonic acid (9CI) (CA INDEX NAME)

CM 1

CRN 210160-21-7 CMF C6 H14 O6 S Si

CM2

CRN 2530-85-0 CMF C10 H20 O5 Si

$$\begin{array}{c|c} ^{\rm H_2C} & {\rm O} & {\rm OMe} \\ \parallel & \parallel & \parallel \\ {\rm Me-C-C-O-(CH_2)_3-Si-OMe} \\ \parallel & \parallel \\ & {\rm OMe} \end{array}$$

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CRN 78-10-4 CMF C8 H20 O4 Si

L11 ANSWER 21 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1998:202626 CAPLUS

DN 128:288304

TI Release layer for electrophotographic photoreceptor

IN Lehman, Gaye K.; Jalbert, Claire A.; Woo, Edward J.; Bretscher, Kathryn R.; Baker, James A.; Berens, Mark C.

PA Minnesota Mining and Manufacturing Company, USA

SO U.S., 8 pp. CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE
US 5733698 A 19980331 US 1996-724073 19960930

IT 69882-18-4, Syloff 297

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(electrophotog. photoreceptors with swellable polymer release layers contg.)

RN 69882-18-4 CAPLUS

CN Silanetriol, ethenyl-, triacetate, polymer with trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 4130-08-9 CMF C8 H12 O6 Si

CM 2

CRN 2530-83-8

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

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L11 ANSWER 22 OF 34 CAPLUS COPYRIGHT 2002 ACS
```

AN 1997:351073 CAPLUS

DN 126:323306

TI Release layer for electrophotographic photoreceptor

IN Lehman, Gaye K.; Woo, Edward J.; Jalbert, Claire A.; Bretscher, Kathryn R.; Baker, James A.; Berens, Mark C.

PA Imation Corp., USA

SO PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND DATE | | APPLICATIO | ON NO. | DATE | |
|----|-------------|-------------|---------|-------------|--------|-----------|------------|
| | | | | | | | |
| ΡI | WO 9712282 | A1 1997 | 0403 | WO 1996-US | 315520 | 19960930 | |
| | W: JP, KR | | | | | | |
| | RW: AT, BE, | CH, DE, DK, | ES, FI, | FR, GB, GR, | IE, IT | , LU, MC, | NL, PT, SE |
| | EP 852744 | A1 1998 | | EP 1996-93 | | | ,, |
| | R: DE, FR, | GB, IT | | | | | |
| | JP 11515112 | T2 1999 | 1221 | JP 1996-51 | 13674 | 19960930 | |

PRAI US 1995-4614P P 19950929

WO 1996-US15520 W 19960930

IT 69882-18-4

RL: TEM (Technical or engineered material use); USES (Uses) (Syl-off 297; electrophotog. photoreceptors with liq. developer release layers contg.)

RN 69882-18-4 CAPLUS

CN Silanetriol, ethenyl-, triacetate, polymer with trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 4130-08-9 CMF C8 H12 O6 Si

CM 2

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

L11 ANSWER 23 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1996:579780 CAPLUS

DN 125:223553

TI Noncombustible polycarbonate compositions resistant to dripping in burning

IN Nodera, Akio; Takarada, Mitsuhiro; Matsumura, Kazuyuki; Kizaki, Hiroaki

PA Idemitsu Petrochemical Co, Japan; Shinetsu Chem Ind Co

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------|------------|----------|-----------------|----------|
| | | | | | |
| PΙ | JP 08176425 | A2 | 19960709 | JP 1994-319691 | 19941222 |
| | TP 3163596 | B 2 | 20010508 | | |

IT 181258-35-5P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)

(noncombustible polycarbonate compns. resistant to dripping in burning)

RN 181258-35-5 CAPLUS

CM 1

CRN 2996-92-1 CMF C9 H14 O3 Si

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 3

CRN 2530-83-8

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

L11 ANSWER 24 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1996:513098 CAPLUS

DN 125:144691

TI Adhesive compositions curable at room temperature

IN Murayama, Yukihiko; Pponda, Junichi

PA Sekisui Chemical Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 08127712 A2 19960521 JP 1994-269404 19941102

IT 180211-93-2P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(rubber; adhesive compns. curable at room temp.)

RN 180211-93-2 CAPLUS

CN 2-Propanol, 1-[bis[2-[(1,3-dimethylbutylidene)amino]ethyl]amino]-3-butoxy-, polymer with ethenyltrimethoxysilane, Kaneka Silyl MAX 447 and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 179987-19-0 CMF Unspecified CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 37187-55-6 CMF C23 H47 N3 O2

CM 3

CRN 2768-02-7

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-}\text{Si-OMe} \\ \text{OMe} \end{array}$$

L11 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1995:969466 CAPLUS

DN 123:343665

TI Acrylic siloxane primer compositions used in injection molding process

IN Tanuma, Yoichiro

PA Toshiba Silicone, Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

ΡI

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|-----------------|----------|
| | | | | |
| JP 07207231 | A2 | 19950808 | JP 1994-5888 | 19940124 |

IT 171183-34-9P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

/ormalia silters are services of

(acrylic siloxane primers for manuf. of plastic-covered elec. wires inserted in rubber moldings)

RN 171183-34-9 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with dimethylsilanediol, ethenyltriethoxysilane, methylsilanediol and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 43641-90-3 CMF C H6 O2 Si

CRN 2530-85-0 CMF C10 H20 O5 Si

$$\begin{array}{c|c} ^{\text{H}_2\text{C}} & \text{O} & \text{OMe} \\ \parallel & \parallel & \parallel & \parallel \\ \text{Me-C-C-O-(CH}_2)_3 - \text{Si-OMe} \\ \parallel & \parallel & \parallel \\ \text{OMe} \end{array}$$

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 4

CRN 1066-42-8 CMF C2 H8 O2 Si

$$\begin{array}{c} \text{OH} \\ | \\ \text{H}_3\text{C--Si--CH}_3 \\ | \\ \text{OH} \end{array}$$

CM 5

CRN 78-08-0 CMF C8 H18 O3 Si

L11 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1995:632162 CAPLUS

DN 123:12022

TI Optical materials having reflection-preventing layers and manufacture thereof

IN Takahashi, Kenji; Uehara, Masaru; Kato, Hirotsugu

PA Sumitomo Osaka Semento Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 07048527 A2 19950221 JP 1993-196533 19930806

IT 164065-58-1P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (reflection-preventing coatings contg. siloxanes and silica on optical material)

RN 164065-58-1 CAPLUS

CN Silane, ethenyltrimethoxy-, polymer with trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ | \\ \text{MeO-Si-CH----} \text{CH}_2 \\ | \\ \text{OMe} \end{array}$$

CM 2

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

L11 ANSWER 27 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1995:578472 CAPLUS

DN 122:316348

TI Manufacture of pressure-sensitive adhesive tapes

IN Fisher, Dennis K.; Eder, Stephen J.; Briddell, Brian J.

PA Adco Products, Inc., USA

SO Eur. Pat. Appl., 24 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN. CNT 1

| LWIN. | CIVI | | | | |
|-------|-------------|-----------|----------|-----------------|----------|
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
| | | - <i></i> | | | |
| ΡI | EP 625527 | A1 | 19941123 | EP 1994-303505 | 19940517 |
| | EP 625527 | B1 | 20000308 | | |
| | R: DE, GB | | | | |
| | CA 2123775 | AA | 19941118 | CA 1994-2123775 | 19940517 |
| | WO 9426423 | A1 | 19941124 | WO 1994-US4817 | 19940517 |
| | W: JP | | | 35151 , | |
| | JP 08508063 | T2 | 19960827 | JP 1994-525500 | 19940517 |

19930517 PRAI US/1993-61809 19940517 163421-45-2P, beta.-Carboxyethyl acrylate-2-ethylhexyl acrylate-.gamma.-glycidyloxypropyltrimethoxysilane-vinyltrimethoxysilane IT RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (adhesive; pressure-sensitive adhesive tapes with good adhesion to silane-modified acrylic/melamine resin paints) 163421-45-2 CAPLUS 2-Propenoic acid, 2-carboxyethyl ester, polymer with RN ethenyltrimethoxysilane, 2-ethylhexyl 2-propenoate and CN trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 24615-84-7 CMF C6 H8 O4

$$\begin{array}{c} \text{O} \\ \parallel \\ \text{HO}_2\text{C---} \text{CH}_2\text{----} \text{C------} \text{CH} \end{array}$$

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 4

CRN 103-11-7 CMF C11 H20 O2

L11 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1994:109600 CAPLUS

DN 120:109600

TI Hemiacetal or hemiketal ester-protected functional group-containing vinyl polymers for coatings

IN Azuma, Ichiro; Iwamura, Goro; Takezawa, Shoichiro; Oooka, Masataka; Yamamura, Kazuo

PA Dainippon Ink & Chemicals, Japan

SO Jpn. Kokai Tokkyo Koho, 30 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 05186739 A2 19930727 JP 1992-3841 19920113

IT 152330-14-8

RL: TEM (Technical or engineered material use); USES (Uses) (coatings, from hemiacetal- or hemiketal-blocked acrylic polymers, acid- and scratch-resistant)

RN 152330-14-8 CAPLUS

CN Hexanedioic acid, monoethenyl ester, polymer with chlorotrifluoroethene, ethenyltrimethoxysilane, ethoxyethene and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 5238-38-0 CMF C8 H12 O4

CM 2

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

CRN 109-92-2 CMF C4 H8 O

 $H_3C-CH_2-O-CH-CH_2$

CM 5

CRN 79-38-9 CMF C2 C1 F3

```
AN
    1993:409825 CAPLUS
DN
    119:9825
TI
    Crosslinkable polymeric composition
ΙN
    Lien, Klaus; Reid, William Bain
PΑ
    BP Chemicals Ltd., UK
SO
    PCT Int. Appl., 31 pp.
    CODEN: PIXXD2
DT
     Patent
LΑ
    English
FAN.CNT 1
                                        APPLICATION NO. DATE
     PATENT NO.
                    KIND DATE
     -----
                    ----
                                        -----
                                                        _____
PΙ
    WO 9221721
                    A1 19921210
                                        WO 1992-GB981
                                                         19920601
        W: AU, FI, JP, KR, NO
        RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE
    AU 9218860
                    A1
                         19930108
                                        AU 1992-18860
                                                         19920601
    AU 654361
                     B2
                          19941103
    EP 541747
                     A1
                          19930519
                                        EP 1992-910727
                                                         19920601
                         19990825
    EP 541747
                    B1
        R: BE, CH, DE, DK, FR, GB, IT, LI, NL, SE
    JP 06506257
                    T2 19940714
                                        JP 1992-509868
                                                         19920601
    JP 3187048
                          20010711
                     B2
    NO 9300299
                                        NO 1993-299
                     Α
                          19930128
                                                         19930128
PRAI GB 1991-11754
                     Α
                          19910531
    GB 1991-11755
                     Α
                          19910531
    WO 1992-GB981
                     Α
                          19920601
IT
    148209-85-2P
    RL: PREP (Preparation)
        (prepn. of cured, for cable insulation)
RN
    148209-85-2 CAPLUS
```

L11 ANSWER 29 OF 34 CAPLUS COPYRIGHT 2002 ACS

```
CN
     Silane, ethenyltrimethoxy-, polymer with ethene and trimethoxy[3-
     (oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)
     CM
          1
     CRN 2768-02-7
     CMF C5 H12 O3 Si
     OMe
MeO-Si-CH-CH2
     OMe
     CM
          2
     CRN 2530-83-8
     CMF C9 H20 O5 Si
                    OMe
     CH_2 - O - (CH_2)_3 - Si - OMe
                    OMe
     CM
         3
     CRN 74-85-1
     CMF C2 H4
H_2C \longrightarrow CH_2
L11 ANSWER 30 OF 34 CAPLUS COPYRIGHT 2002 ACS
AN
    1981:471055 CAPLUS
DN
    95:71055
    Driographic printing plate
ΤI
IN
    Ball, Alan
    Minnesota Mining and Mfg. Co., USA
PA
SO
    U.S., 10 pp.
     CODEN: USXXAM
DT
     Patent
LΑ
    English
FAN.CNT 1
    PATENT NO.
                    KIND DATE
                                         APPLICATION NO. DATE
     -----
                           _____
                                           ------
PΙ
    US 4225663
                      A
                           19800930
                                          US 1974-500385
                                                           19740826
IT
     69882-18-4
    RL: USES (Uses)
        (driog. printing plates with ink-repellent layers contg.)
RN
    69882-18-4 CAPLUS
CN
    Silanetriol, ethenyl-, triacetate, polymer with trimethoxy[3-
     (oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)
```

CRN 4130-08-9 CMF C8 H12 O6 Si

CM 2

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

L11 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1981:463890 CAPLUS

DN 95:63890

Hardenable coating agent and mar-resistant coatings on plastics TI

Jaeckel, Klaus Peter; Heil, Guenter; Spoor, Herbert IN

BASF A.-G. , Fed. Rep. Ger. PΑ

Ger. Offen., 19 pp. SO

CODEN: GWXXBX

DTPatent

LΑ German

| FAN. | FAN.CNT 1 | | | | | | | |
|------|------------------|--------|-----------|-----------------|----------|--|--|--|
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | | | |
| | | | | | | | | |
| ΡI | DE 2946474 | A1 | 19810527 | DE 1979-2946474 | 19791117 | | | |
| | CA 1142682 | A1 | 19830308 | CA 1980-362963 | 19801022 | | | |
| | EP 29929 | A1 | 19810610 | EP 1980-106810 | 19801105 | | | |
| | EP 29929 | B1 | 19820721 | | | | | |
| | R: AT, BE, | CH, DE | , FR, GB, | IT, LU, NL, SE | | | | |
| | JP 56076469 | A2 | 19810624 | JP 1980-154719 | 19801105 | | | |
| | US 4336309 | Α | 19820622 | US 1980-204539 | 19801106 | | | |
| PRAI | DE 1979-2946474 | | 19791117 | | | | | |
| IT | 78538-03-1 78593 | 1-13-6 | | | | | | |

RL: USES (Uses)

(coating materials, scratch-resistant, for plastics)

RN 78538-03-1 CAPLUS

2-Propenoic acid, 2-hydroxyethyl ester, polymer with CN dibutoxydimethylsilane, ethenyltrimethoxysilane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2768-02-7 CMF C5 H12 O3 Si

$$\begin{array}{c} \text{OMe} \\ | \\ \text{MeO-Si-CH---} \text{CH}_2 \\ | \\ \text{OMe} \end{array}$$

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

CM 3

CRN 1591-02-2 CMF C10 H24 O2 Si

CM 4

CRN 818-61-1 CMF C5 H8 O3

RN 78591-13-6 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with dibutoxydimethylsilane, ethenyltrimethoxysilane, 2-hydroxyethyl 2-propenoate and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2768-02-7 CMF C5 H12 O3 Si

CRN 2530-85-0 CMF C10 H20 O5 Si

$$\begin{array}{c|c} ^{H_2C} & \text{O} & \text{OMe} \\ \parallel & \parallel & \parallel \\ \text{Me-C-C-O-(CH}_2)_3 - \text{Si-OMe} \\ \parallel & \parallel \\ \text{OMe} \end{array}$$

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \end{array}$$

CM 4

CRN 1591-02-2 CMF C10 H24 O2 Si

CM 5

CRN 818-61-1 CMF C5 H8 O3

AN 1979:594786 CAPLUS

DN 91:194786

TI Curable resin compositions

IN Kaetsu, Isao; Kumakura, Minoru; Yoshida, Masaru; Shimaoka, Goro; Koda, Hiroyuki; Taniyama, Susumu

PA Japan Atomic Energy Research Institute, Japan; Mitsubishi Gas Chemical Co., Inc.

SO Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------|------|----------|-----------------|----------|
| | | | | | |
| ΡI | JP 54081400 | A2 | 19790628 | JP 1977-123078 | 19771014 |
| | JP 61008103 | B4 | 19860312 | | |

IT 71878-04-1

RL: TEM (Technical or engineered material use); USES (Uses) (coatings, abrasion-resistant, for polycarbonates)

RN 71878-04-1 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with ethenyltrimethoxysilane, [(2-propenyloxy)methyl]oxirane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2768-02-7 CMF C5 H12 O3 Si

CM 2

CRN 2530-85-0 CMF C10 H20 O5 Si

$$\begin{array}{c|c} ^{\rm H_2C} & {\rm O} & {\rm OMe} \\ \parallel & \parallel & \parallel \\ {\rm Me} - {\rm C} - {\rm C} - {\rm O} - ({\rm CH_2}) \, {\rm _3} - {\rm Si} - {\rm OMe} \\ \parallel & \parallel & \parallel \\ & {\rm OMe} \end{array}$$

CM 3

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CRN 106-92-3 CMF C6 H10 O2

L11 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1978:192850 CAPLUS

DN 88:192850

TI New coating materials prepared by radiation-induced polymerization. I. Mar-resistant coating composition and properties

AU Okubo, H.; Kato, M.; Yoshida, M.; Ito, A.; Kaetsu, I.

CS Takasaki Radiat. Chem. Res. Establ., JAERI, Takasaki, Japan

SO J. Appl. Polym. Sci. (1978), 22(2), 487-96 CODEN: JAPNAB; ISSN: 0021-8995

DT Journal

LA English

IT 66451-47-6 66451-48-7

RL: TEM (Technical or engineered material use); USES (Uses) (coatings, mar-resistant and transparent, for org. glasses)

RN 66451-47-6 CAPLUS

CN Silane, ethenyltriethoxy-, polymer with trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 2

CRN 78-08-0 CMF C8 H18 O3 Si

RN 66451-48-7 CAPLUS

CN 2,5,7,10-Tetraoxa-6-silaundecane, 6-ethenyl-6-(2-methoxyethoxy)-, polymer with trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2530-83-8 CMF C9 H20 O5 Si

$$CH_2-O-(CH_2)_3-Si-OMe$$
OMe
OMe

CM 2

CRN 1067-53-4 CMF C11 H24 O6 Si

$$\begin{array}{c} \text{O-CH}_2\text{-CH}_2\text{-OMe} \\ | \\ \text{MeO-CH}_2\text{-CH}_2\text{-O-Si-CH---} \text{CH}_2 \\ | \\ \text{O-CH}_2\text{-CH}_2\text{-OMe} \end{array}$$

L11 ANSWER 34 OF 34 CAPLUS COPYRIGHT 2002 ACS

AN 1977:440397 CAPLUS

DN 87:40397

TI Transparent casting polymers

IN Yoshida, Masaru; Kumakura, Minoru; Kaetsu, Isao

PA Japan Atomic Energy Research Institute, Japan

SO Japan. Kokai, 10 pp. CODEN: JKXXAF

CODEM. U

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--------------|------|----------|-----------------|----------|
| | - | | | | |
| ΡI | JP 52037997 | A2 | 19770324 | JP 1975-113438 | 19750919 |
| | JP 59010373 | B4 | 19840308 | | |

IT 63101-21-3

RL: USES (Uses) (transparent)

RN 63101-21-3 CAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 6-ethenyl-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane and trimethoxy[3-(oxiranylmethoxy)propyl]silane (9CI) (CA INDEX NAME)

CM 1

CRN 2530-83-8 CMF C9 H20 O5 Si

$$\begin{array}{c} \text{OMe} \\ \text{CH}_2\text{-O-(CH}_2)_3\text{-Si-OMe} \\ \text{OMe} \\ \end{array}$$

CM 2

CRN 1067-53-4 CMF C11 H24 O6 Si

$$\begin{array}{c} \text{O-CH}_2\text{-CH}_2\text{-OMe} \\ | \\ \text{MeO-CH}_2\text{-CH}_2\text{-O-Si-CH} \\ | \\ \text{O-CH}_2\text{-CH}_2\text{-OMe} \end{array}$$

CM 3

CRN 80-62-6 CMF C5 H8 O2

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